

DERWENT-ACC-NO: 2002-011611

DERWENT-WEEK: 200571

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TITLE: Technology for braiding composite material in  
optical fibre sensor and method for testing its  
performance

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PRIORITY-DATA: 2001CN-108037 (January 11, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
CN 1303009 A	July 11, 2001	ZH
CN 1139797 C	February 25, 2004	ZH

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
CN 1303009A	N/A	2001CN-108037

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INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	B29C45/03	20060101
CIPS	G01N21/00	20060101

ABSTRACTED-PUB-NO: CN 1303009 A

BASIC-ABSTRACT:

NOVELTY - A technology for braiding optical-fibre sensor in the composite braided material and a method for testing its property feature that a resin-transfer moulding-formation process mould composed of top cover, moulding cavity and bottom is used to braid dot-type or distributed optical fibre sensor in the composite braided material; or braiding the optical fibre sensor in one layer of material or several layers of material. The technological

procedure  
of braiding the composite material can be monitored and the  
parameters of the  
composite material can be tested, resulting in more correct and  
reliable  
analysis to mechanical performance and damage condition.

TITLE-TERMS: TECHNOLOGY BRAID COMPOSITE MATERIAL OPTICAL FIBRE SENSE  
METHOD

TEST PERFORMANCE

DERWENT-CLASS: A89 S02 V07

CPI-CODES: A11-B11; A12-L03A; A12-L04B;

EPI-CODES: S02-J04A1A;

SECONDARY-ACC-NO:

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